

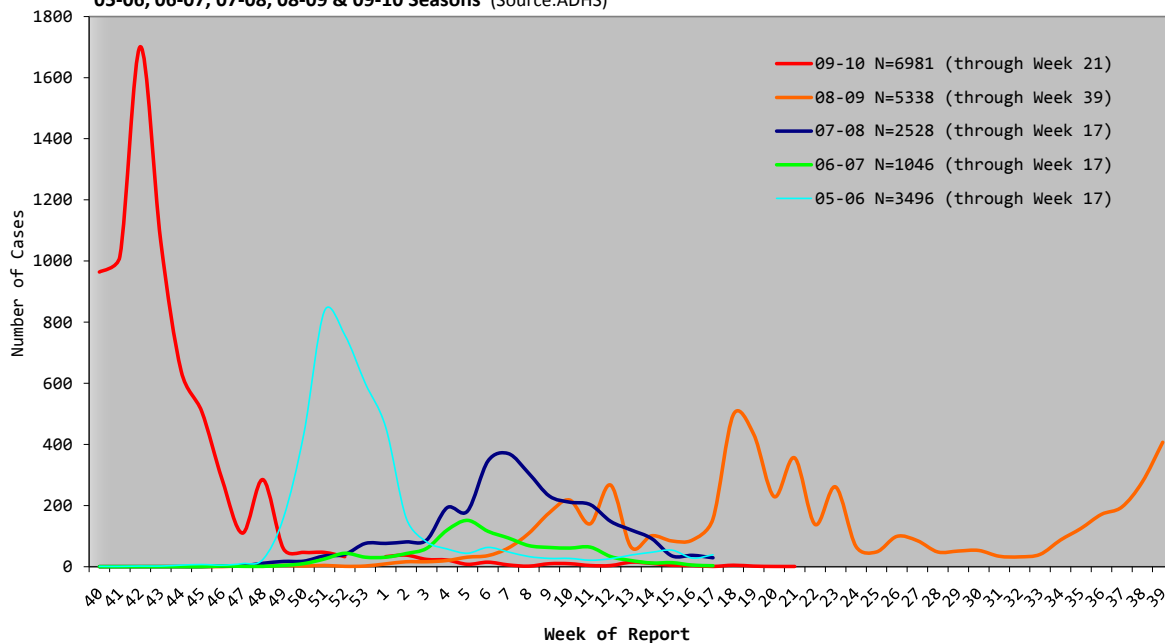
## MARICOPA COUNTY INFLUENZA SUMMARY UPDATE

### WEEK 21 (5/23/10-5/29/10)

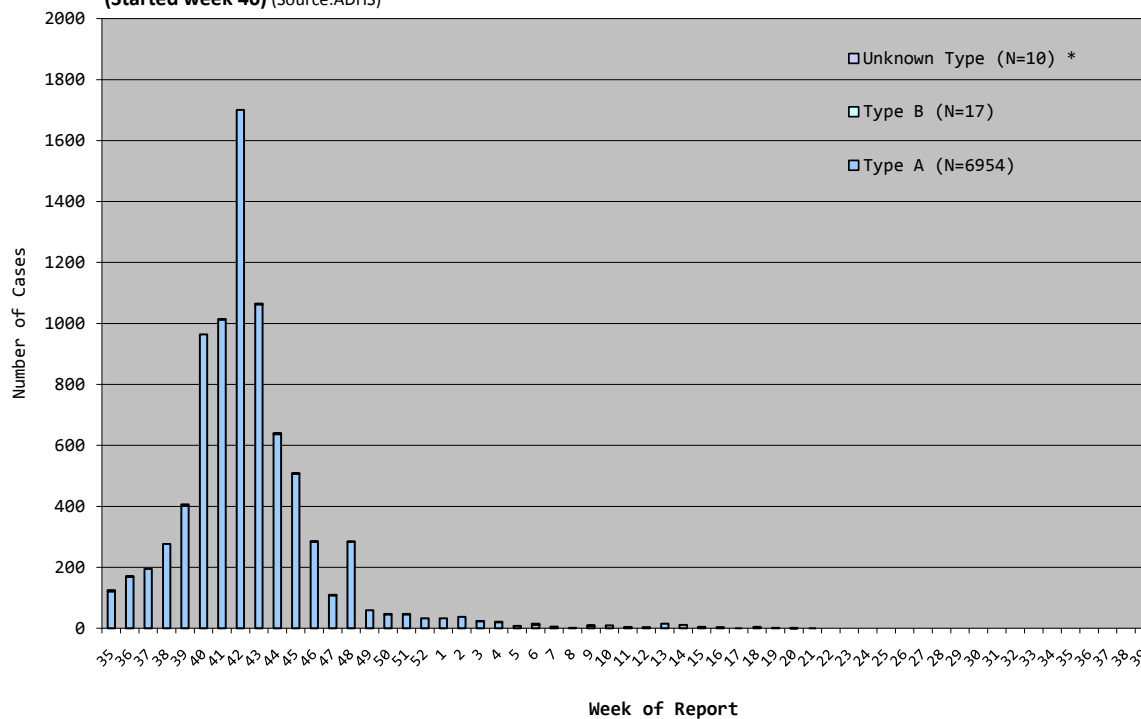
Data contained in this report reflect the time period above with the exception of School Syndromic Surveillance and Selected Emergency Departments which show more current data.

- **Lab Confirmed Influenza:** 6981 cases of influenza have been confirmed at the Arizona State Laboratory (Through week 21)
- **Pneumonia & Influenza Mortality:** 4.72% of deaths were due to pneumonia or influenza during week 21.
- **Influenza-Like Illness (ILI)** (Through week 21)
  - **Cigna Health Centers** (n=20): 0.023% of visits due to ILI. (provisional data; subject to change as updated information becomes available)
  - **Hospital Emergency Departments** (n=17): 1.25% of visits were due to ILI. Due to low influenza activity at this time, only seven hospital emergency departments reported.
- **Selected Emergency Department (ED) Visits:** (n=6)
  - 0.11% of all visits were due to ILI (As of 6/4/2010)
  - 13.21% of all visits were due to a respiratory syndrome (As of 6/4/2010).
- **School Syndromic Surveillance:** beginning week 20 discontinued due to summer vacation.

Lab-Confirmed Influenza Cases Reported:  
05-06, 06-07, 07-08, 08-09 & 09-10 Seasons (Source:ADHS)

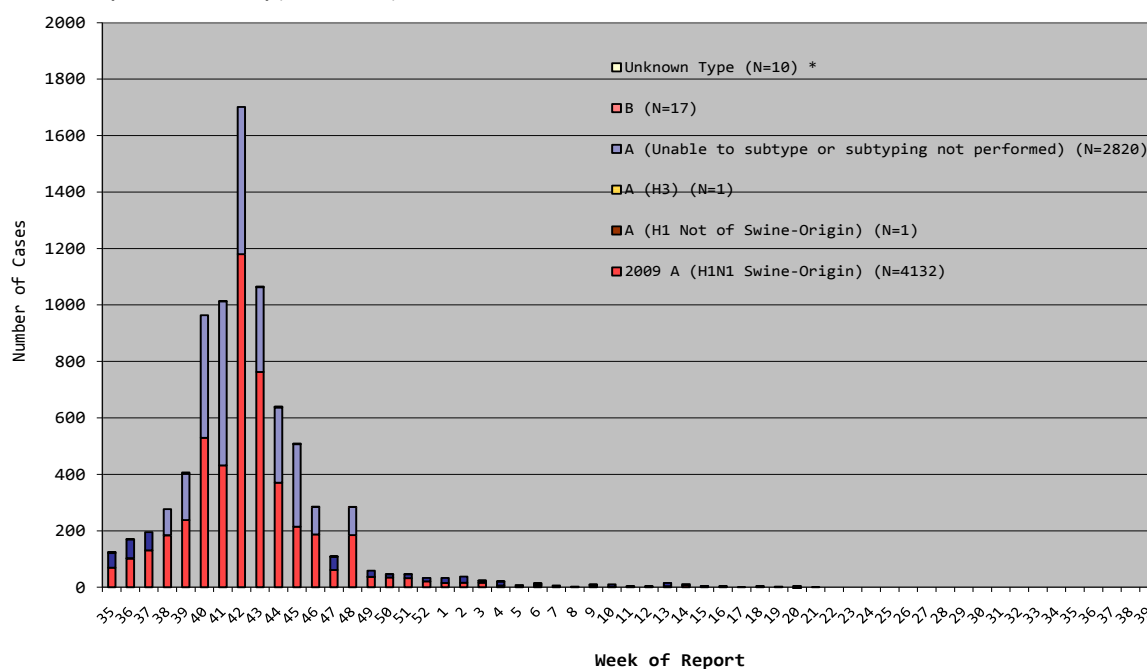


**Lab-Confirmed Influenza Cases Reported, 08-09 Season (Weeks 35-39 only) & 09-10 Season (Started week 40)** (Source:ADHS)



\*Sample sizes shown in chart legend represent confirmed influenza cases for the 2009-2010 season only. (Starting week 40)

**Lab-Confirmed Influenza Cases Reported, 08-09 Season (Weeks 35-39 only) & 09-10 Season (Started week 40)** (Source:ADHS)

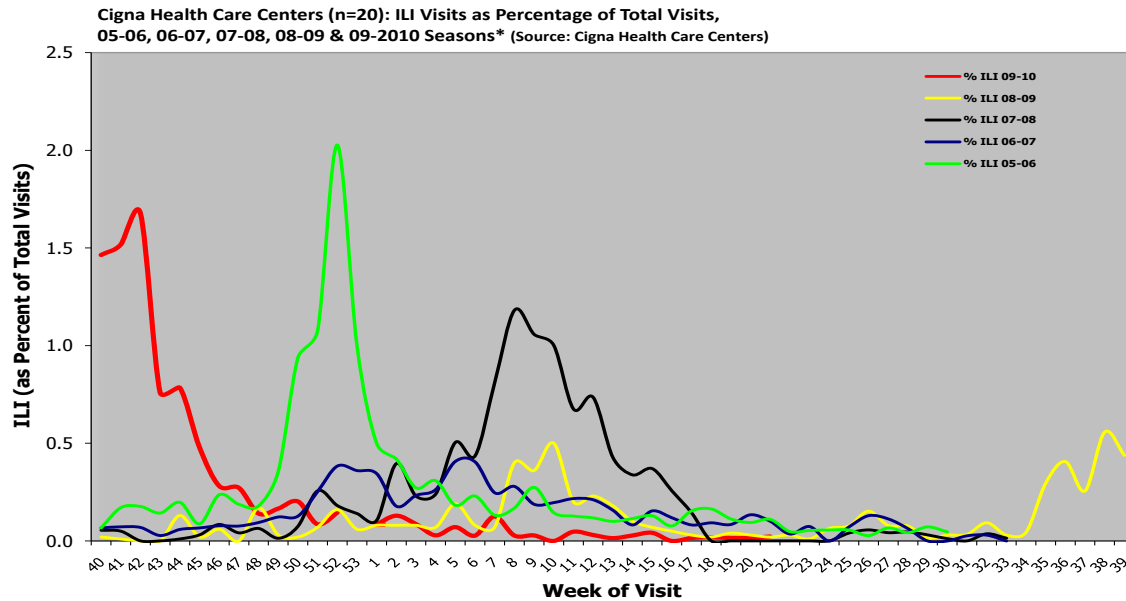


\*Sample sizes shown in chart legend represent confirmed influenza cases for the 2009-2010 season only. (Starting week 40)

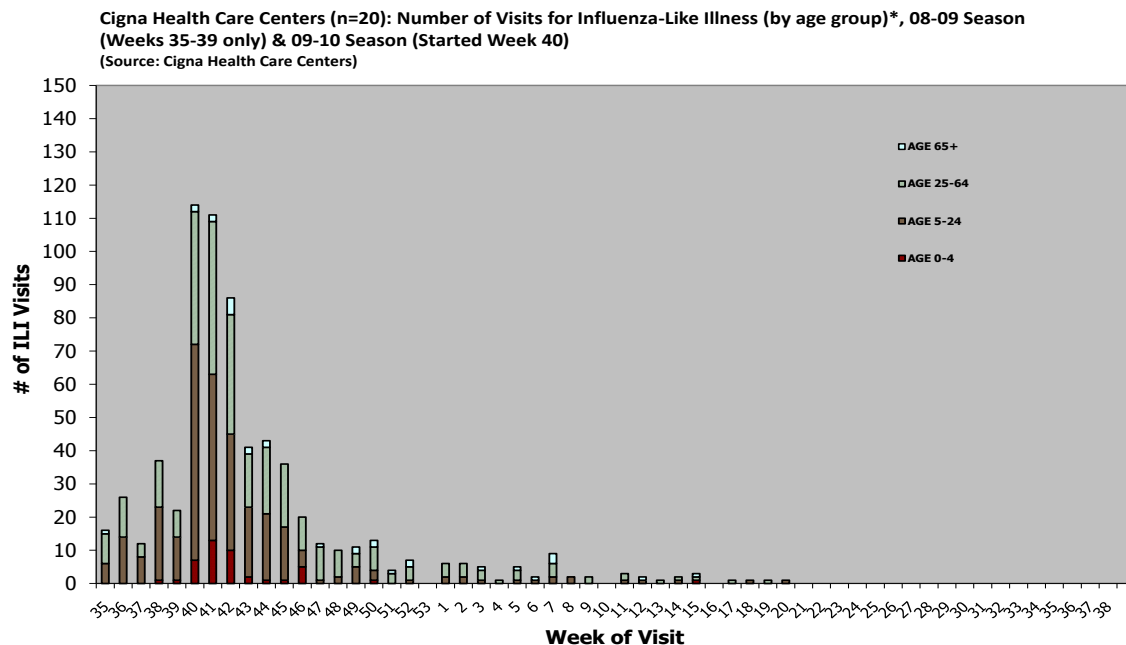
## Influenza-Like Illness (ILI)\* Surveillance

\*ILI case definition: fever (at least 100°F) AND cough and/or sore throat.

- During Week 21, 0.023% of patient visits to Cigna Health Care Centers (data from 20 centers, six departments) were due to ILI. During Week 21 of the two previous seasons, 0.02% (08-09) and 0.00% (07-08) of patient visits to Cigna Health Care Centers were due to ILI. (\*Provisional data; may change in subsequent reports as updated information becomes available.)
- The percentage of Emergency Department visits for ILI (data from 17 hospitals) was 1.25% for Week 21.



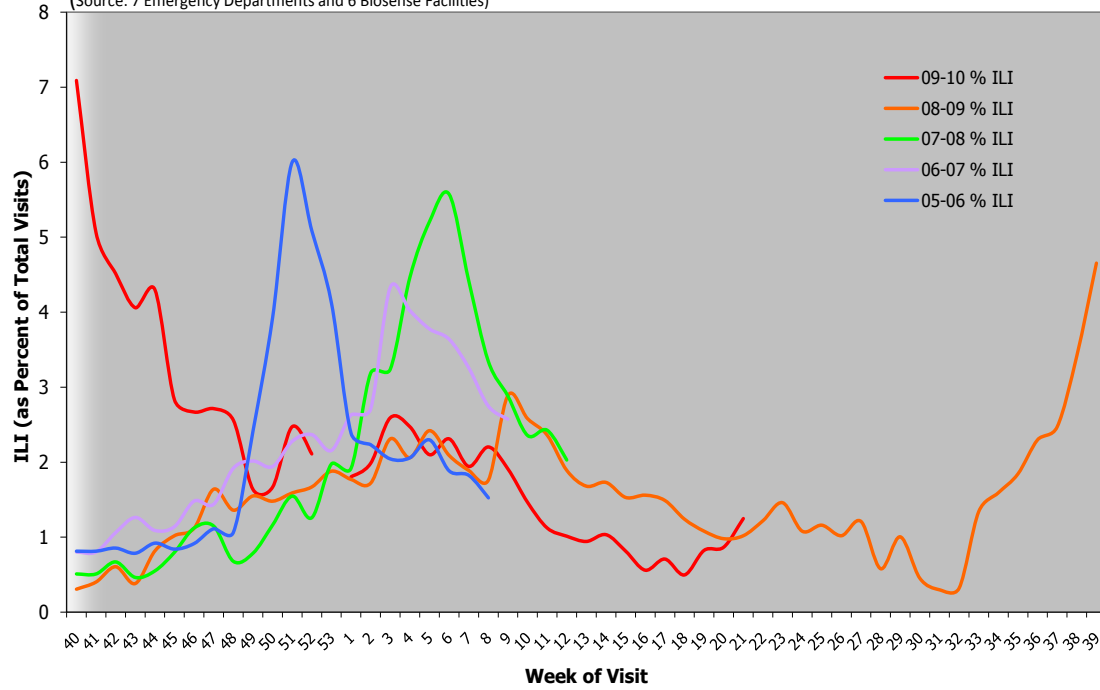
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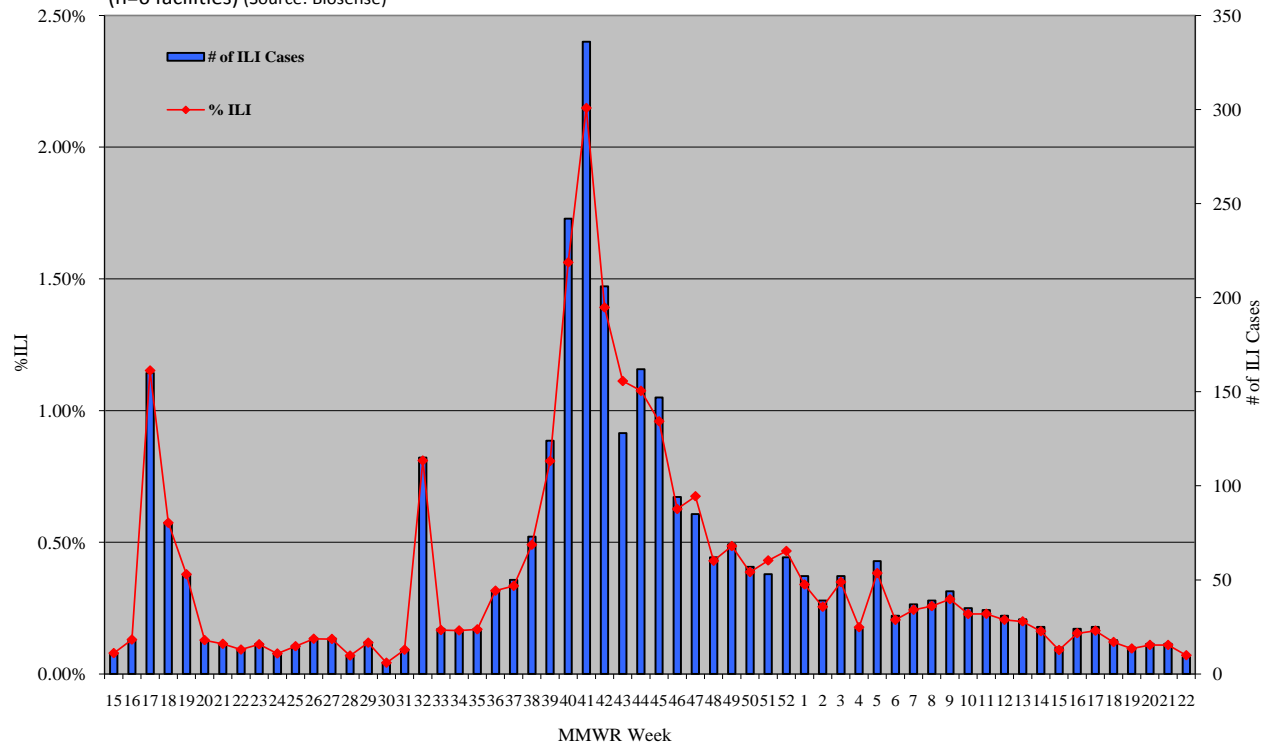
\*Data may change in subsequent reports as updated information becomes available.

**Hospital Emergency Departments (n=17): ILI Visits as Percentage of Total Visits**  
**05-06, 06-07, 07-08, 08-09 & 09-10 Seasons**

(Source: 7 Emergency Departments and 6 Biosense Facilities)

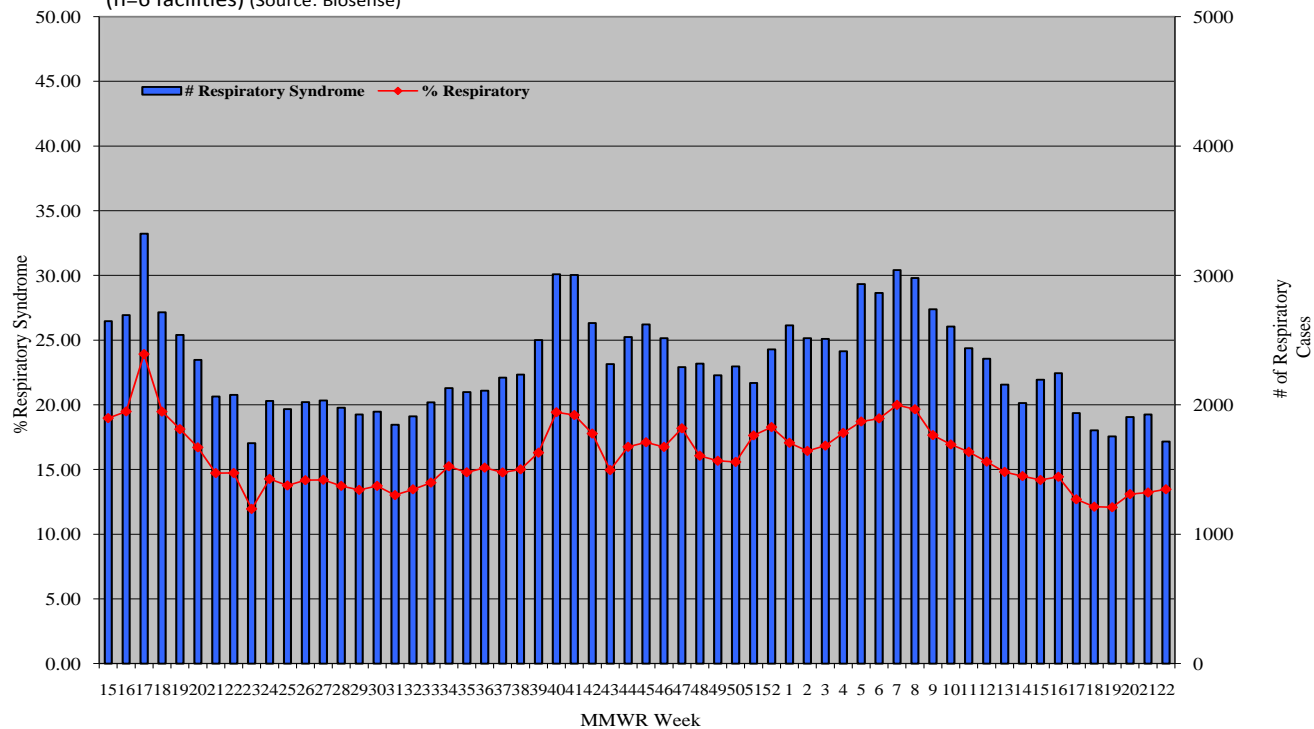


**Selected Emergency Departments Weekly Syndromic Surveillance: Influenza-Like-Illness**  
**(n=6 facilities) (Source: Biosense)**



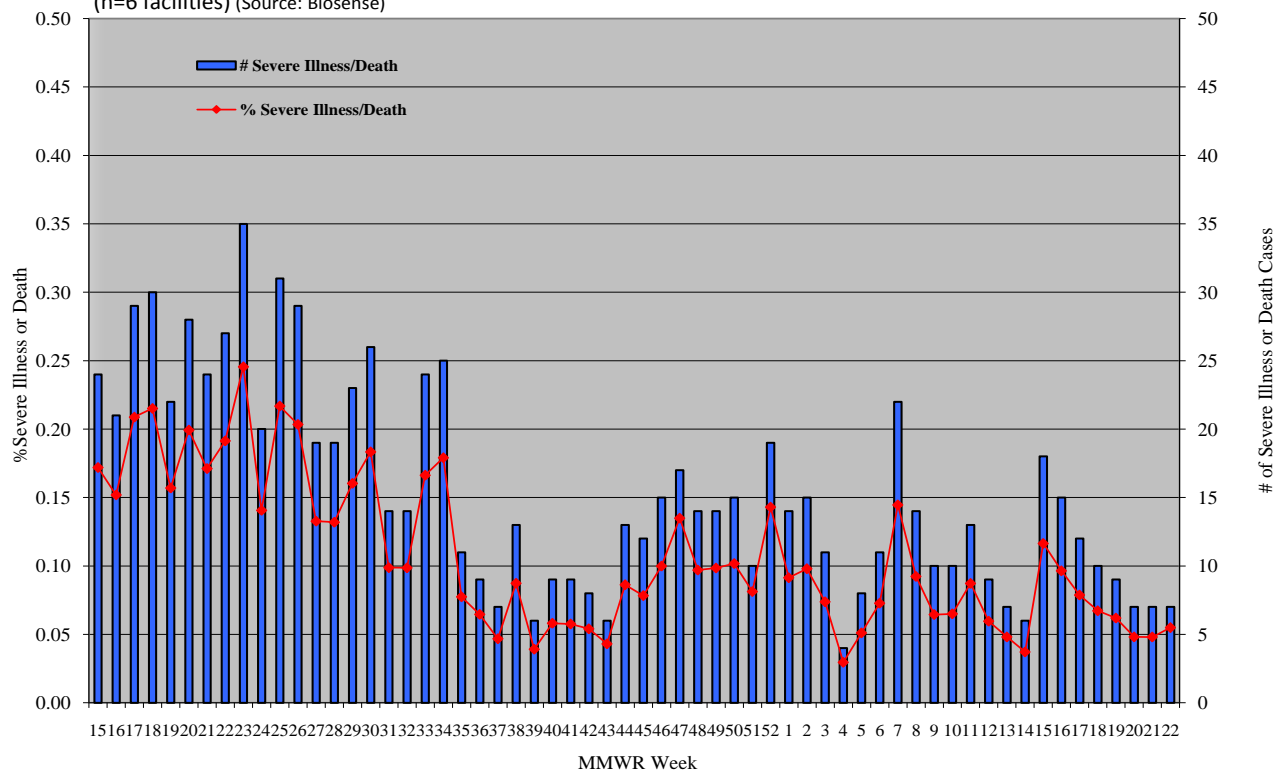
### Selected Emergency Departments Weekly Syndromic Surveillance: Respiratory

(n=6 facilities) (Source: Biosense)

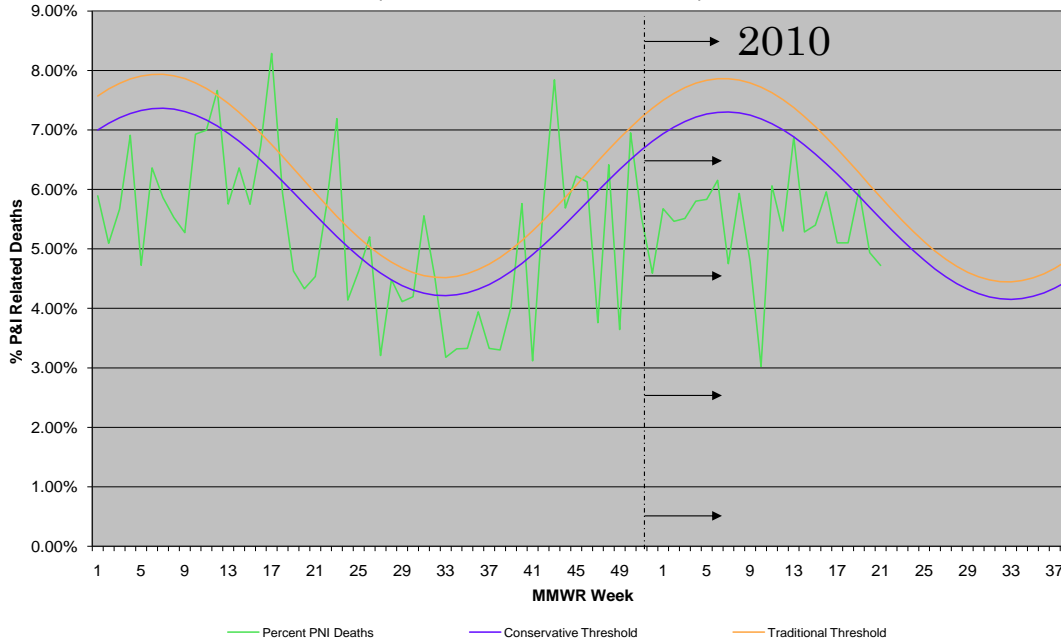


### Selected Emergency Departments Weekly Syndromic Surveillance: Severe Illness or Deaths

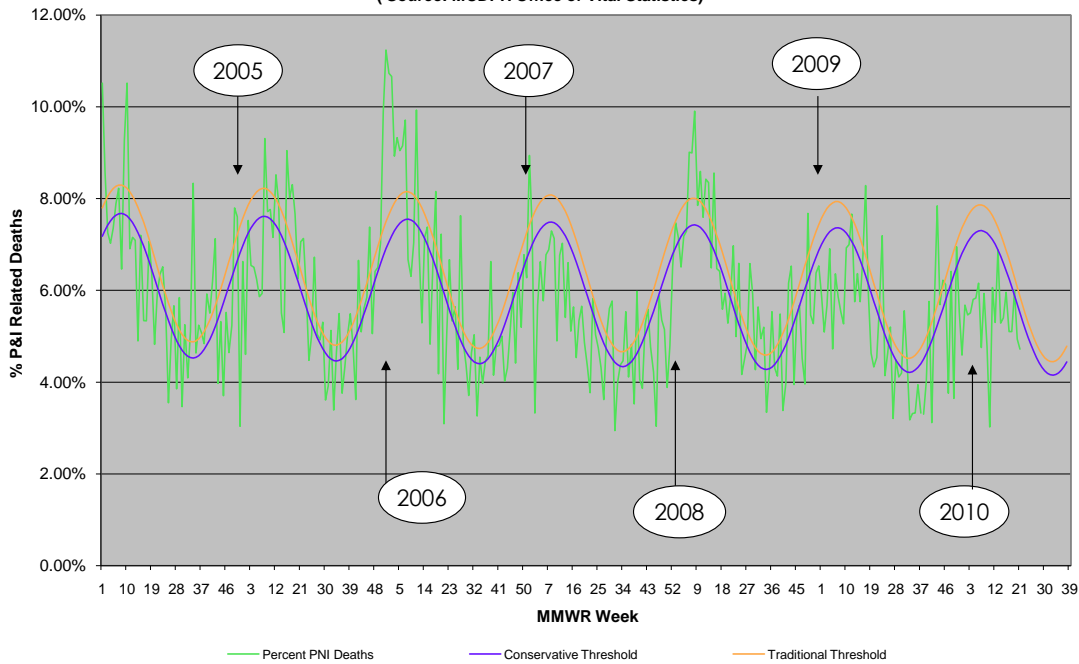
(n=6 facilities) (Source: Biosense)



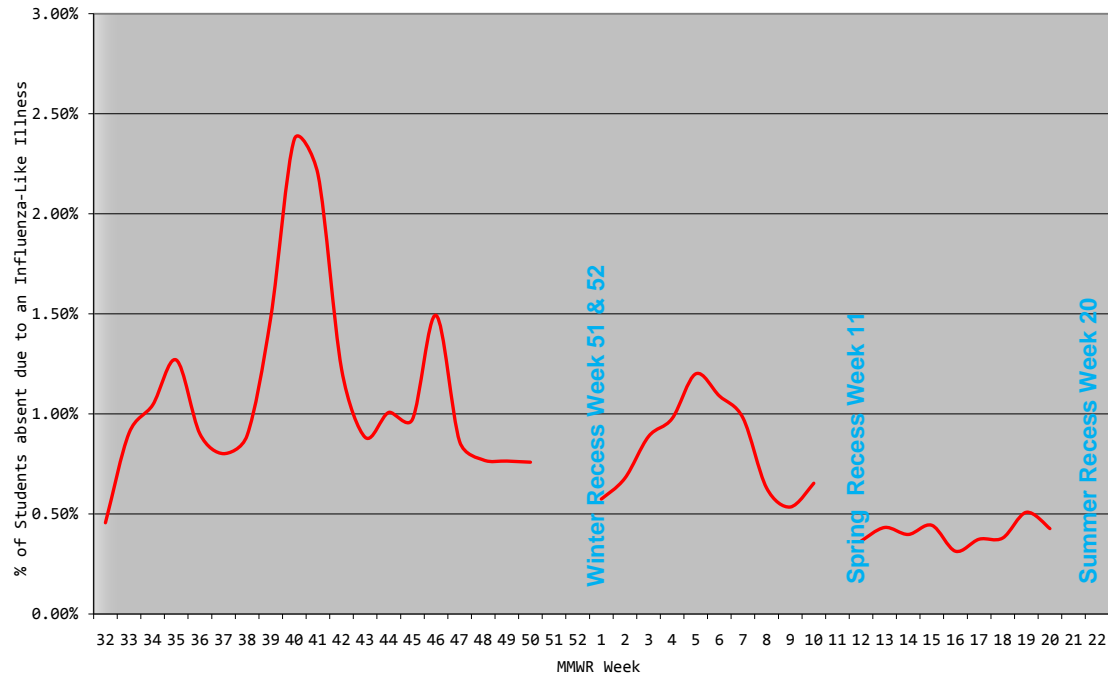
**Maricopa County 2009-2010**  
**Pneumonia and Influenza Related Deaths**  
 (Source: MCDPH Office of Vital Statistics)



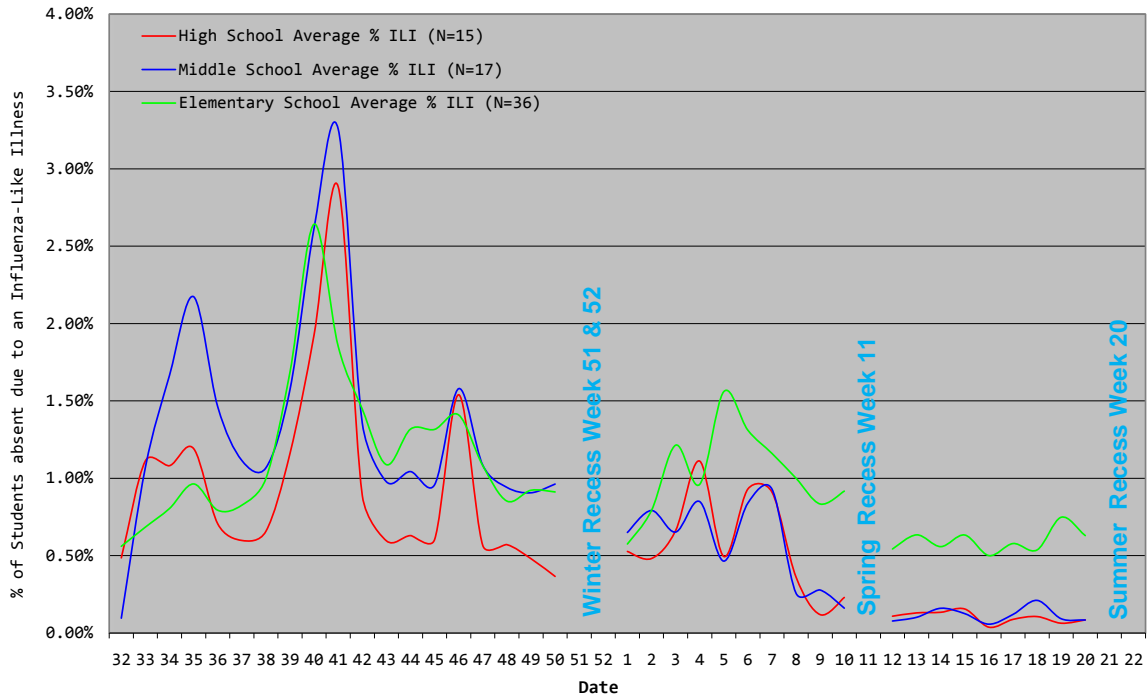
**Maricopa County 2004-2009**  
**Pneumonia and Influenza Related Deaths**  
 (Source: MCDPH Office of Vital Statistics)



Maricopa County 2009-2010:  
School ILI Surveillance by MMWR Week (N=68 Schools)



Maricopa County 2009-2010:  
School ILI Surveillance by MMWR Week and Type of School



**Influenza Activity outside Maricopa County**

Information on influenza activity outside Maricopa County is available at these sites:

- [http://azdhs.gov/phs/oids/epi/flu/az\\_flu\\_surv.htm](http://azdhs.gov/phs/oids/epi/flu/az_flu_surv.htm) (Arizona Department of Health Services)
- <http://www.cdc.gov/flu/weekly/fluactivity.htm> (CDC)

*Due to wide variability between national- and local-level data, it is not appropriate to apply any national baselines or thresholds to the information represented in this report.*

Please email any questions about this report to: [dereksteinke@mail.maricopa.gov](mailto:dereksteinke@mail.maricopa.gov).

Report generated: 6/2/2010.

July birthday

***Influenza Surveillance Participants include:***

**Arizona Department of Health Services**

**Cigna Health Care Centers**

**Arizona State University Campus Health Services**

**Local Hospital Emergency Departments & Infection Control Practitioners**

**68 Maricopa County Public Schools**

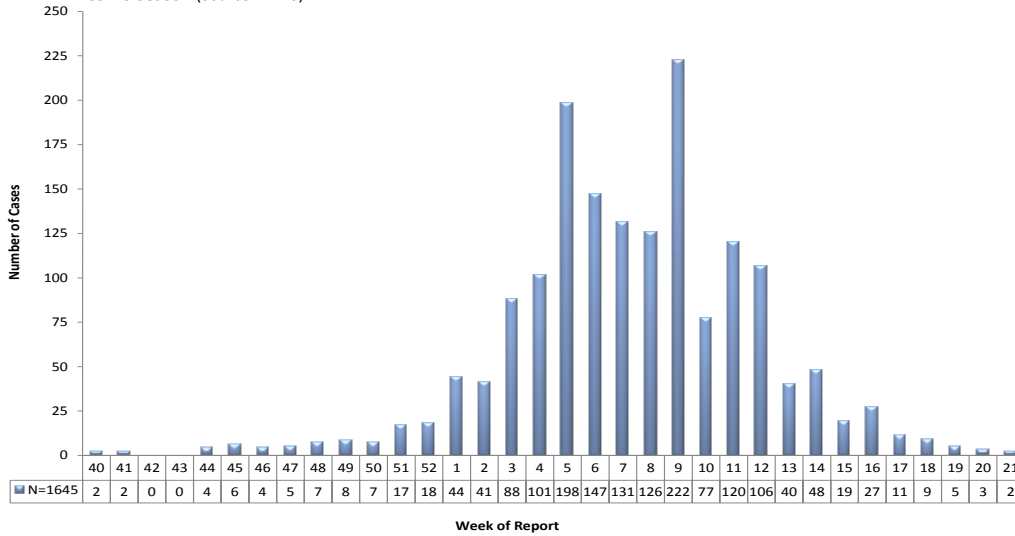


# MARICOPA COUNTY RSV SUMMARY UPDATE

## WEEK 21 (5/23/10-5/29/10)

**Respiratory Syncytial Virus (RSV) Lab Surveillance:** At the time of this report, 1645 lab-confirmed cases of RSV have been reported through Week 21.

**Lab-Confirmed Respiratory Syncytial Virus (RSV) Cases Reported:  
09-10 Season (Source: ADHS)**



**Lab-Confirmed Respiratory Syncytial Virus (RSV) Cases:  
05-06, 06-07, 07-08, 08-09 and 09-10 Seasons (Source: ADHS)**

